

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Katsusuke SHIMAZAKI, Yuuji YAMAZAKI, Hikaru MIZUTANI, Tsuyoshi MARO, Kenji OHTA, Hiroyoshi TAKAGI, and Katsuhiro TAKAHASHI

Application No.: US National Stage of PCT/JP99/06202

Filed: May 3, 2001

Docket No.: 109431

For: OPTICAL DISK, DISK SUBSTRATE, AND DRIVING APPARATUS

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-50 without prejudice to or disclaimer of the subject matter contained therein.

Please add new claims 51-94 as follows:

--51. An optical disk for recording information/thereon and reproducing the

information therefrom, the optical disk being housed totatably in a cartridge case:

a disk substrate having a hole formed through the center thereof;

a recording layer which is formed on the substrate and on which the information is

recorded;

a hub provided on the center of the substrate so as to be movable relative to the substrate, the hub having an outer diameter which is 26 or more % of that of the optical disk;

the optical disk satisfies a relationship of $Y/X \ge 0.015$, where X is a projected area of the substrate and Y is a contact area between the hub and the substrate.--

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